

Mechanical Testing of Plastics. I. Physical Basis  
of the Mechanical Properties of Polymers, by S. B.  
Ratner, 6 pp.

RUSSIAN, per, Plasticheskiy Massy, No 7, 1960,  
pp 59-66.

RAPRA

Sci

Aug 61

CIA/FDD X-4695

163,074

The Mechanism of Wear in Polymers and the  
Criterion of Similarity, by S. B. Ratner, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV, No 2,  
1960, pp 294-297.

AIP  
Sov Phys - Dok  
Vol V, No 6

Sci

Jun 61

158, 400

S-178/60

(NY-4690)

Properties and Characteristics of Aluminum  
Explosives, by S. B. Ratner, 15 pp.

RUSSIAN, per, Gornyy Zhur, Vol CXXI, No 5, 1947,  
pp 21-25.

JPRS 4054

Sci - Chem

Sep 60

127,079

178/60

(SF-1049)

The Effect of Rubber Hardness on the Coefficient  
of Static Friction Without Lubrication, by S. B.  
Ratner, V. D. Sokol'skaya, 8 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCIX, No 3,  
1954, pp 431-434.

JPRS 4052

Sci - Chem

Sep 60

127,078

178/60

(SF-1047)

Effect of Rubber Fillers on the Coefficient of  
Static Friction, by S. B. Ratner, V. D. Sokol'skaya,  
7 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXXVI, No 1,  
1952, pp 121-124.

JPRS 4050

Sci - Chem

Sep 60

127,058

Problems Relating to the Mechanism of the  
Friction of Rubber, by S. B. Leiner, 4 pp.

RUSSIAN, per, Kolloid Zhur, Vol XII, No 3, 1957,  
pp 394-396.

(Consultants Bureau

Sci - Chem

Jan 59

79,452

Calculation of the Velocity of Detonation in  
Gases, by Ya. B. Zeldovich, S. B. Ratner.  
UNCLASSIFIED

RUSSIAN, no per, Zhur Eksper i Teoret Fiz, Vol XI,  
No 1, 1941, pp 170-183.

ATIC P-TS-8312

Scientific - Physics  
ATI 83148

13,498

The External Friction of Rubber, by S. B. Katner,  
6 pp.

Full tr

RUSSIAN, bino per, Kolloid Zhur, Vol XVIII, No 3,  
1956, pp 373-378.

(Consultants Bureau

Sci - Chemistry  
Jan 57 CTS

42,240



Mechanical Tests for Plastics, by S. B. Ratner,  
I. I. Farshova.

~~XXXXXXXXXX~~  
RUSSIAN, per, Plasticheskiy Massy, Vol IX,  
1960, pp 61-68.

MLL Ref: 5196 1962 (1,122) (*loren*)

Sci - Biol & Med Sci  
Jul 63

*236, 115*

(SF-1157)

Calculation of the Characteristics of a Detonation  
Wave, Stationarily Propagated in Condensed Explosives  
and the Equation of State of the Explosion  
Products, by S. B. Ratner, 7 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XLVIII, No 3,  
1945, pp 198-201.

JPRS 4186

134,332

Sci - Phys  
Dec 60

Failure Due to Repeated Loading, by S. I.  
Tutcher.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CIX, No 2,  
1956, pp 246-249,

WLL M. 3658

Sci - Engr

Aug 62

207, 159

Change of Mechanical Properties of Metals Under  
Hydrostatic Pressure, by S. I. Ratner, 5 pp.  
RUSSIAN, per, Zhur Tekh Fiziki, Vol XIX, No 3,  
1949, pp 108-111.

CIA/FID X-1618  
NO FOREIGN DISSEM

Sci  
Nov 64  
USII Internal Use Only

269,290

A Protracted Case of Hoof and Mouth Disease  
in Man, by S. I. Ratner, G. P. Korolev, G. I.  
Gubin, R. P. Komolova, 14 pp, (ID 2029628).

RUSSIAN, no per, Klin Med, No 7, 1956.

ACS, I, G-7463

USSR

Sci - Medicine

42, 218

RATNER, S. I.

Zavodskaya Laboratoriya, vol. 12, no. 2,  
5 figures, 2 tables, 2200 words; 1946

Comparative Study of Mechanical Properties of  
0.7% Carbon Tool Steel in Tension, Torsion,  
and Compression.

Brutcher Trans, Order No. 1879, \$3.60

A 9731

Strength at Repeated Loadings and Resistance  
to Fracture, by S. I. Ratner, 36 pp.

RUSSIAN, bk, Ustalost' Metallov, Materialy  
Soveshchaniya po Ustalosti Metallov  
22-24 Sentyabrya 1958, 1960, pp 34-46.  
9671195

WFO POL-1054/2

173,804

Sci - Engr  
15 Nov 61

Study of the Anisotropy of Mechanical Properties  
of Steel, by Yu. B. Fridman, S. I. Ratner.

RUSSIAN, no per, Zavod Lab, No 2/3, 1945, pp 195 -  
208.

Scientific - Physics

AEC T-971

*Index Area*

49/4665

P 25547

Nov 1951 CTS

*A-2761*



(NY-4841)

Results of Measuring the ~~MECHAN~~ Detonation Velocity  
of Methyl Nitrate, by S. S. Ratner, 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XLII, No 6,  
1944, pp 276-278.

JPRS 7313

Sci - Chem

Jan 61

138,722

SLR: 61-11773

Some Principles for the Design and Use of Power  
Irradiators, by A. V. Bibergal, M. M. Korotkov  
T. G. Ratner, 7 pp

RUSSIAN, par, Atom Energ, Vol VII, No 3, 1959,  
pp 244-251

CB

Sci  
May 61

151,384

Study of the Composition of  $C_6$  Hydrocarbons By-  
Products of the Catalytic Synthesis of Divinyl  
From Alcohol, by G. M. Simulsky, T. V. Ratner,  
V. P. Makarova, Yu. A. Gordin, V. S. Ivanov,  
L. V. Alferova, 5 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVII, No 11,  
1957, pp 2927-2930.

Consultants Bureau

Sci - Chem

Jan 58

78,785

USSR/Sci/Med

C

Biologic Treatment of Chronic Purulent Osteomyelitis,  
by U. A. Ratner. UNCLASSIFIED  
RUSSIAN, per, Khirurgia, Moscow, 1940.

No 8,

OSG Tr

A9732

AN ANALYSIS OF GENETIC AND PHENOTYPIC CORRELATION IN  
Certain Problems of Selection and Evolution, by D. K.  
Belyayev, V. A. Ratner, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 3, 1961,  
pp 699-702.

AIBS

Sci

198,099

May 62

Some Structural Features of the Sakhalin Oil Pools,  
by V. Ya. Ratner, 5 pp.

RUSSIAN, per, Geolog Nefti i Gaza, Vol IV, No 8-B,  
1960.

RRG

Sci

Apr 63

.232,819

Clinical Characteristics of Botkin's  
Disease [Infectious Hepatitis], by  
Ya. I. Ratner

RUSSIAN, mo per, Voenno Med Zhur,  
No 11, Moscow, Nov 1958, pp 25-27

US JPRS 1249-W

*Sci - Med*  
*Feb 59*

*81,379*

Effect of Renin on Chemoreceptors of the Kidneys and  
the Small Intestine, by O. S. Markulova, Y. M. Ratner,  
6 pp.

RUSSIAN, per, Bull Eksp Biol i Med (Moskva), Vol XXXIX,  
No 5, p 39; No 5, pp 45-50; 1955.

SLA R-3315

Sci

Aug 59

95,067



Surgery for Tumors Located High Up in the  
Rectum, by Yu. A. Ratner, 4 pp.

RUSSIAN, per, Voprosy Onkolog, Vol VII,  
No 4, 1961.

Royer & Roger

Sci

Jun 62

193,836

(NY-4847).

The Mechanism of the Genesis of Detonation of  
Explosives Upon Impact, by A. P. Bulyayev, V. K.  
Bobolev, and Z. I. Ratner, 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. L, 1945, pp  
303-305.

JPRS 7525

Sci - Theo Phys  
24 Jan 61

137,689

Autoclave Leaching of Cobalt-Arsenous Ores of the  
Khovu-Alsay Site, by G.N. Dobrokhotov and Z.L. Ratner,  
6 pp.

RUSSIAN, per, Tsvetnye Metally, Vol II, No 10, 1961,  
pp 53-58.

PS

Sci

Dec 62

232,046

7  
The Atlantic Campaign in the Atlantic War, by  
A. J. B. ...  
Atlantic, ... Atlantic, No 2, 1944, pp 9-17.  
1944

1944

1944

Apr 44

194, 764

The Dancing of Conductors on a 110 kV  
Transmission Line, by L. A. Ratnikov.

RUSSIAN, per, Elek Stantsii, Vol XXXII, No 8,  
1961, p 86.

NLL Ref. 9022.09 1963 (2,597)  
(Loan)

Sci - Electron  
Nov 63

242.252

Ratnikov, V. D.  
AUTOMATED CAR SORTING ON A HUMP-YARD.  
[1962] 8p.  
Order from OTS or SLA \$1.10

63-10647

Trans. of Zheleznodorozhnyi Transport (USSR) 1962  
[v. 44, no. 6] p. 67-72.

DESCRIPTORS: \*Automation, \*Railroad cars, Railroads,  
Electronic equipment, \*Brakes, \*Remote control sys-  
tems, Electric switches.

(Machinery--Transport, TT, v. 2, no. 11)

63-10647

I. Ratnikov, V. D.

Office of Technical Services

I. S. Baryon<sup>2</sup> and I. I. Retdikova: On the nature  
of certain waves obscuring detection of reflected  
waves on the Russian Plateau, 15 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofiz, No 6,  
1957, pp 697-708.

Pergamon Inst

Sci - Geophysics

Apr 59

95,639

Ramkova, K. I.  
SYNTHESIS OF HYDROCARBON-FORMALDEHYDE  
POLYMERS AND THEIR USE IN SURFACE COAT-  
INGS. Sep 62, 2000 words.  
Order from TTIS \$18.00

TTIS 4016

Trans. of Lakokrasochnye Materialy i ikh Primeneniye  
(USSR) 1962, no. 1, p. 17-20.

DESCRIPTORS: Polymers, \*Plastic coatings,  
\*Formaldehyde, Hydrocarbons, Xylenes, Naphthalenes,  
Naphtha, Catalysts, Sulfuric acids.

(Materials--Plastics, TT, v. 9, no. 2)

62-34410

- I. Ramkova, K. I.
- II. TTIS-4016
- III. Translation and Technical  
Information Services  
(Gt. Brit.)

0201275

Office of Technical Services



A Study of Converted Reflected Waves in Media  
With Weak Velocity Differentiation,  
by I. S. Barzon, L. I. Ratnikova, et al, 9 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser G ofiz,  
No 9, 1963, pp 1293-1306.

Amer Geophys Union

Sci  
Jul 684

262,743

Some Results Obtained from a Study of Converted Reflected Waves in Media with Strong Velocity Differentiation, by L. I. Matnikova, 11 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofiz, No 2, 1963, pp. 261-277.

AGU

Sci

341, 245

Jun 63

Ore Concentration Flowsheet Used at the Aityn-Topkan  
Lead-Zinc Plant, by S. I. Mitrofanov, O. A.  
Ratnikova, et al, 6 pp.

RUSSIAN, per Sovet Metal, Vol IV, No 7, 1963,  
pp 1-6.

Primary Sources

Sci  
Jan 65

270,383

A Polarographic Study of the Reduction of the  
Chloroiridate-Ion on a Platinum Electrode, by N. K.  
Pshenitsyn, N. A. Ezerskaya, V. D. Ratnikova, 17 pp.

RUSSIAN, per, Zhur Neorg Khim, Vol III, <sup>8,</sup> 1958,  
pp 1791-1798. ~~9077~~ 9077952

AEC UCRL-tr-652 (2)

Sci - Min/Msc

Aug 61

160,424

The Recording of Converted ~~Ref~~ Reflected Waves, by  
V. I. Ratnikova, 9 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofiz, No 4,  
1962, pp 456-471.

Amer Geophys Union

Sci

Sep 62

214,527

**KLASSEN, V.I.  
MITCHELL-SHAYA, L.D.**

**DOK. AK. NAUK, SSSR, vol 67, 1949, pp 487-489**

**Brusher Trans 2433, \$2.40**

**Contribution to the Evaluation of Flotation Activity of  
Mineral Surfaces**

*A-3408*

(AY-5916)

Role of the Investment Bank in Putting Planned Capacities Into Operation on Time, by I. Ratoiu, 13 pp.

RUMANIAN, per, Finante si Credit, Vol VI, No 12, 1960, pp 30-40.

JPRS 9094

EBur - Rumania  
Econ  
May 61

151,258

FULLFILLMENT OF THE INVESTMENT PLAN IN RUMANIA,  
BY ION RATOIU, 12 PP.

RUMANIAN, PER, FINANTE SI CREDIT, NO 10,  
OCT 1962, PP 15-28.

JPRS 17017

EEUR - RUMANIA  
ECON  
JAN 63

219,289



Ratomski, A.  
DE WAARDE VAN DE DIAGNOSTIEK VAN AGGLUTINATIE EN DE COMPLEMENTBINDING BIJ BRUCELLOSE VAN HET VEE (Worth of Diagnosis of Agglutination and the Complement Bond at Brucellosis of the Cattle). III p. MTWL: 944. (Text in Dutch).  
Order from OTS or ETC \$1.55 61-17564

DESCRIPTORS: \*Cattle, \*Brucellosis, Hemagglutinins, Diagnosis.

61-17564

- I. Ratowski, A.
- II. MTWL-944
- III. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur

Office of Technical Services

Financial and Credit Activities Among the Population,  
by László Rátanyai. (Wk Econ Rpt on EKur, 220).

HUNGARIAN, per, Pénzügy és Számvitel, No 7, Budapest,  
Jul 1958, pp 251-256.

CIA/FDD Sum 1961

EKur - Hungary  
Econ  
Oct 58

75, 229

Certain Properties of the Virus-Neutralizing Factor  
of Normal Animal Sera, b, V. Ratova, D. Kociakova,  
J. Szanto, O. Laucikova, L. Hana, 7 pp.

RUSSIAN, per, Vopros, Virusologii, Vol IV, No 6,  
1959, pp 717-723.

PP

Sci  
Oct 60

128,529

Determination of Elemental Sulfur in Petroleum and  
Petroleum Products by a Polarographic Method. by  
R. D. Obolentsev, B. V. Aivazov and A. A.  
Ratovskaya, 6 pp.

RUSSIAN. per, Zhur Anal Khim, Vol (XII), No 1, 1957,  
pp 134-138.

Consultants Bureau

Sci - Chem

Aug 58

71,787

(SF-1043)

The Principle of Static Friction, by S. B.  
Ratner, 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXXIII,  
No 3, 1952, pp 443-446.

JPRS 4064

Sci - Electron

Oct 60

129,151

Automatic Squeeze Moulding Line at the Kirov Works,  
by V. G. Rats, G. M. Yafet, 4 pp.

RUSSIAN, per, Lit Proiz, No 1, 1962.

BCIRA

Sci  
Aug 62

208,068

Sci/Geophysics/Geology

C

Field Spectroanalytical Laboratory For Servicing  
Prospecting Parties, by E. A. Ratsbaum, 6 pp. ~~EXCLUDED~~

RUSSIAN, per, Razvedka Nedr, Vol X, No 1, 1939.

CIA/FDD/X-408

*Interior Dept Iran.*

A 9734

Oct cts

52  
Across the And Himalayan Range, by H. Loomis,  
V. Smith,  
HUGHES, M., Tenthred, 1961, 235 pp.  
AISC

Sci-Book Sci & Astron  
April 64

235,073



Determination of Periods of Free Fluctuations  
of a Diurnal- and Semidiurnal-Type in Polar  
Seas, by T. S. Ratser-Ivanova, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofiz, No 2,  
1959, pp 254-261.

Amer Geophys Union

Sci

May 60

118,160

An Investigation of Free Oscillations of Daily and  
Twice-Daily Types for a Liquid in Shallow Seas - XI,  
by F. S. Ratser-Evanova, 17 pp.

RUSSIAN, par, Iz Ak Nauk SSSR, Ser Geofiz, No 3,  
1957, pp 369-383.

Pergamon Inst

Sci - Geophys  
Dec 58

78, III

Automatic Gripping Guide Box, by N. V. Samotegov,  
L. B. Ratsoyich, 3 pp.

RUSSIAN, ppr, Metallurg, No 6, 1958, pp 25.

Consultants Bureau

Sci - Min/Int

Apr 59

84,044

NY-13687  
10 Apr 67

Nineteenth Congress of Students of Black Africa in  
France (FRANF), by Aristide Hoteinboufy, pp 87-99.

No further information.

FINCH  
FM  
Fol

Special type B: translator's draft plus  
one copy.  
Please return source.

15 pp

Physiological Tests of Adrenal Insufficiency During  
Pantothenic Acid Deficiency, By J. Lefebvres-Pois-  
selot, A. Rakoto, ~~et~~ Ratsimamanga, 6 pp.

FRENCH  
French, per, Compt. rends Soc. Biol, Vol CXLVII,  
December 1953, pp 212-2016.

S.L.A. Tr 92/1956

Scientific - Biology, Medicine

34,007

Assessment of Malagasy Political Parties, by  
Aristide Ratsimbazofy, 5 pp. 27  
FRENCH, per. Remarques Africaines, Vol 8,  
No 275, 20 Oct 1966, pp. 518-520.  
JPRS 30940

A.P. Malagasy Republic  
Pol  
Mar 67

ARISTIDE RATSIMBAZOFY

319,423

The Method of Estimating Transparency and Oblique  
Visibility Range of Lights, by M. Ya. Ratsimor, 39  
10 pp.

RUSSIAN. per. Meteorologiya i Gidrologiya. No 1,  
1967. pp. 22-31.  
JPRS 40543

M. YA. RATSIMOR

USSR  
Sci-Atmospheric Science  
May 67

325,385

Hardness Criterion in Designing Levers for  
Weighing Equipment, by M. Ratsiu, 5 pp.  
RUSSIAN, per, Izmeritel Tekh, No 9, 1959,  
pp 24-26.

Sci

Sep 60

Instru Soc of Amer

124,640



1  
THIS CONSTRUCTION OF A SHIP AS THE FIRST ONE  
WAS MADE BY A 1. RECONSTRUCTION OF IT.

REALLY, THE RECONSTRUCTION OF THE SHIP, NO 3,  
WAS, IT IS.

JUN 1956

RECONSTRUCTION  
JUN 63

NO 3, 107

Determination of Residual Gas Pressure in Electronic  
Valves, by M. O. Ratsun, V. Ye. Kunin, 5 pp.

RUSSIAN, per, Radiotekh i Elektron, Vol III, No 3,  
1958, pp 435-437.

Pergamon Press

Sci - Electronics  
Sep 59

95, 944

133  
The Storage of Radioactive Waste in the  
Lullach Nuclear Research Center, by K. H.  
Rattay, H. Schulze-Hetmer.  
GENSTAT, par. ~~The Atomwirtschaft~~, Vol 9,  
No 12, pp 627-630, 1964 9279824  
AEC GENSTAT-Tr-596

K. H. RATTAY

Sci-Inst  
New GS

291,950

Ratte, Heinrich  
DISTILLATION IN SIDE COLUMNS. [1963] 14p  
Order from K-H \$14.00 K-H 11096

Trans. of Erdöl und Kohle-Erdgas-Petrochemie  
(West Germany) 1961, v. 14, no. 1, p. 24-26.

DESCRIPTORS: \*Distillation, \*Towers (Chemistry),  
Distilling plants.

(Engineering--Chemical, TT, v. 10, no. 10)

63-22474

- I. Ratte, H.
- II. K-H-11096
- III. Kresge-Hooker Science  
Library Associates,  
Detroit, Mich.

1252359

Office of Technical Services

93  
A New L. F. Antenna for the Long, Medium  
and Short Wave Range, by H. Rattei, H. Saur,  
11 pp.  
GERMAN, por, Telefunken-Zeitung, Vol 37, No 1,  
1964, pp 56-62. F948038667  
NATIC Nr No 1837

H. Rattei

319,860

Sci - Electronics and Electrical  
Feb 67

Revolving Adcock Direction Finder P8T 467 and 589,  
by H. Kunze, H. Hattel, 8 pp.

GERMAN, per, Telefunken-Zeitung, Vol XXXIV, No 133,  
Sep 1961, pp 215-220.

ACSI I-3188  
ID 2244396

Sci - Electron  
Sep 63

345, 318

The Effluent Problem in Pickling Plants and Its  
Solution, by G. Rattig.

GERMAN, per, Blech, No. 3, Mar 1955.

*British-born, 1924*  
~~Completed~~ Tr 708

Sci - Engr  
Jan 58

*(8101)*  
57,767  
SLA 61-16204





IMPROVE THE DESIGN AND TECHNOLOGY OF STRUCTURAL  
ELEMENTS OF E. RAY, 5 29.

RESEARCH, NO. 116, 23 SEP 1963, P. 3.

1963 116

1963  
116  
23

1963 116

Rattner, S. R.  
ON THE LAW OF STATIC FRICTION [O Zakone  
Staticheskogo Treniya]. [1961] [6]p. 9 refs. TL 930;  
[DSIR LLU] M 2103.  
Order from OTS or SLA \$1.10

61-13588

Trans. of [Akademiya Nauk SSSR, Doklady] 1952, v. 83,  
no. 3, p. 443-[446].  
Other translations are available from LC or SLA  
mi\$1.80, pb\$1.80 as 59-15157 [1959] 6p. and from OTS  
\$0.50 as 60-41443, JPRS-4064, 23 Sep 60, 5p.

DESCRIPTORS: \*Friction, Theory

For abstract see Technical Translations 2: 361, 1959  
or 4: 635, 1960.

(Mechanics--Statics, TT, v. 6, no. 4)

61-13588

I. Rattner, S. R.  
II. Trans-T/L-930  
III. DSIR LLU M. 2103

Office of Technical Services

Ratner, S. B.  
ON THE RATE OF WEAR OF RUBBER AND ITS  
RELATION TO COEFFICIENT OF FRICTION [O  
Pokazatele Istiraniya Reziny i Yego Soyazi e Koeffit-  
sientan Treniya]. [1960] Sp. 6 refs. M2190.  
Order from LC or SLA mi\$1.80, ph\$1.80 61-13685

Trans. of [Akademiya Nauk SSSR. Doklady] 1952, v. 87,  
no. 5, p. 743-[746].

Another translation is available from OTS \$0.50 as  
60-41421, JPRS-4051, 21 Sep 60, 6p.

(Materials--Rubber, TT. v. 5, no. 2)

61-13685

1. Rubber--Friction
2. Rubber--Deterioration
- I. Ratner, S. B.
- II. DSIR LLU M. 2190

Office of Technical Services

Transmission of Stress to Concrete by the  
Steel in Prestressed Members, by E. G. Ratts,  
M. M. Kholmyanskiy, V. M. Kol'nev, 28 pp.

RUSSIAN, per, Beton i Zhelezobeton, No 1,  
1958, pp 4-13.

SLA 60-15378

Sci  
Sep 61

169,362

Comparative Effect of Certain Antibiotics Upon  
Ornithosis Virus in Animal Experiments, by V. M.  
Ya Bolotovskiy, L. S. Ratushkina, 3 pp.

RUSSIAN, per, Voprosy Virusologii, Vol IV, No 6,  
1959, pp 710-713.

PP

Sci  
Oct 60

128,526

Titrimetric Determination of Hydrogen Ion  
Concentration, by G. Ratushnyi.

RUSSIAN, per, Vinodelie i Vinogradarstvo  
SSSR, Vol. VI, No 213, 1962, pp 3-6.

CSIRO/No 6334

Sci.-Chem

Oct 63

241, 425

Ratusky, J., Sorm, F. and others.  
APPARATUS FOR THE PRODUCTION OF POTAS-  
SIUM TEREPHTHALATE. [1961] [4]p.  
Order from OTS or SLA \$1.10

62-10327

Trans. of Czechoslovakian patent 89919, cl. 12 o, 14,  
registered 25 Nov 56, exhibited 15 Aug 58, patent  
valid 25 Nov 57, pub. 15 May 59.

DESCRIPTORS: \*Potassium compounds, \*Phthalates,  
\*Terephthalic acid, Esters, Production, Catalysts,  
\*Laboratory equipment, Pressure vessels, Design.

The equipment, according to our invention, consists  
of two counter-rotating, intermeshing worm gears  
which are enclosed in a pressurized container the  
diameter of which corresponds to the outer circumfer-  
ence of the gears. The dry, free-flowing mixture of  
potassium phthalate plus catalyst is introduced at one  
(Engineering--Chemical, TT, v. 7, no. 10) (over)

62-10327

I. Ratusky, J.  
II. Sorm, F.  
III. Patent (Czechoslovakia)  
89 919

208848

Office of Technical Services

Ratusky, Josef and Novosad, Jan.  
A METHOD FOR THE PRODUCTION OF NORMAL  
ALKALINE SALTS OF ISOMERIC PHTHALIC ACIDS.  
[1961] 5p.

Order from OTS or SLA \$1.10

61-18610

Trans. of Czechoslovakian patent 95337, appl. 3 Sep 58  
(PV 4498-58) valid from 3 Sep 58, issued 15 Nov 59,  
pub. 15 Apr 60.

DESCRIPTORS: \*Salts, Production, \*Phthalic acids,  
Isomers, Chemical reactions.

A method is given for the production of normal alkaline  
salts of isomeric phthalic acids from the free acids,  
characterized by the fact that the isomeric phthalic  
acids are heated at a temperature of 250-370°C with  
normal alkaline or acid alkaline salts of phthalic acid  
at atmospheric or sub-atmospheric pressure, the re-  
(Chemistry--Organic, TT, v. 6, no. 9) (over)

61-18610

- I. Ratusky, J.
- II. Novosad, J.
- III. Patent (Czechoslovakia)  
95 337

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sulting phthalic anhydride and reaction water being continuously distilled out of the reaction mixture.

PB-

61-18610

Ratusky, Josef and Novosad, Jan.  
A NEW METHOD AND APPARATUS FOR PRODUCING  
ESTERS OF ISOMERIC PHTHALIC ACIDS. [1961]  
[7]p.

Order from OTS or SLA \$1.10

61-18612

Trans. of Czechoslovakian patent 93557, appl.  
9 Aug 58 (PV 4157-58) patent valid from 9 Aug 58, pub.  
15 Jan 60, issued 15 Apr 59.

DESCRIPTORS: \*Phthalic acids, \*Isomers, Esterifica-  
tion, \*Esters, Production, Pressure vessels, Design.

A method is described for preparing esters of isomeric  
phthalic acids, in which a mixture of acid, alcohol, and  
a catalyst is mixed while being heated at a temperature  
of 200 to 335°C. The method is characterized by the  
fact that alkaline salts of these acids are used as the  
catalyst, counter-flow esterification of the alcohol  
(Chemistry--Organic, TT, v. 6, no. 9)

(over)

61-18612

I. Ratusky, J.  
II. Novosad, J.  
III. Patent (Czechoslovakia)  
93 557

Office of Technical Services

being achieved by spiral shunting, the alcohol taking up the developing esters, which are thus freed from impurities.

PB-

61-18612

Ratusky, Josef and Sorm, Frantisek.  
A METHOD FOR THE PRODUCTION OF TEREPHTHALIC ACID FROM POTASSIUM TEREPHTHALATE. [1961] 4p.  
Order from OTS or SLA \$1.10

61-18609

Trans. of Czechoslovakian patent 94033, appl.  
18 Nov 57 (PV 4370-57) valid from 18 Nov 57, issued  
15 May 58, pub. 15 Feb 60.

DESCRIPTORS: \*Phthalic acids, Production, Potassium compounds, \*Phthalates, Chemical reactions.

A method is given for the production of terephthalic acid from potassium terephthalate, characterized by the fact that acid potassium terephthalate is precipitated from an aqueous solution of potassium terephthalate by the action of carbon dioxide at a pressure of 1-70 atmospheres, and terephthalic acid is liberated (Chemistry--Organic, TT, v. 6, no. 9) (over)

61-18609

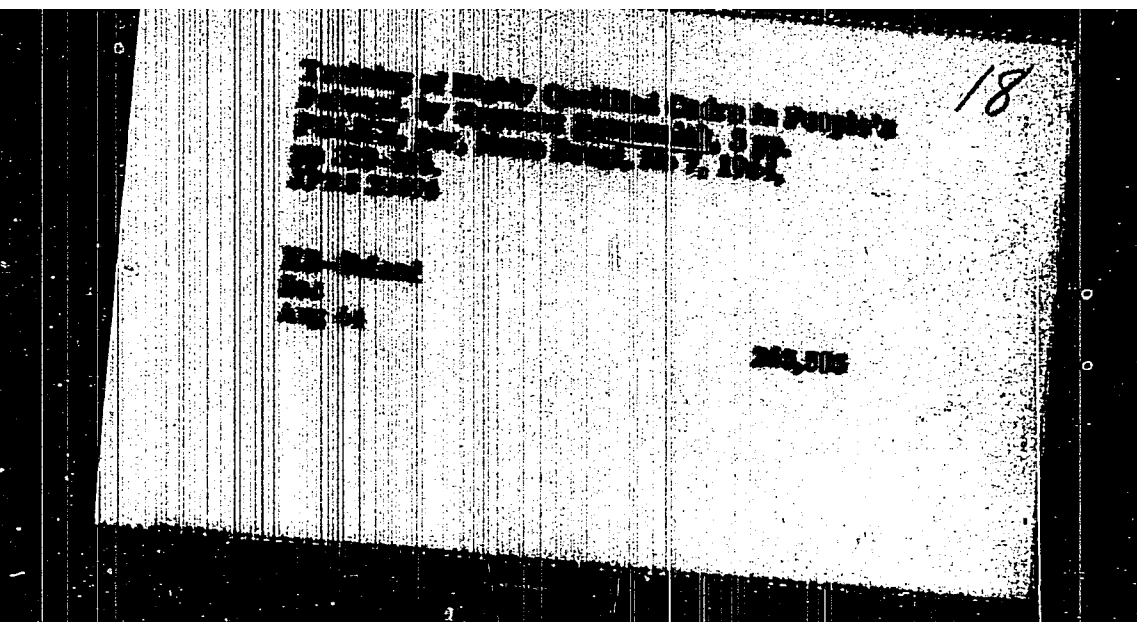
- I. Ratusky, J.
- II. Sorm, F.
- III. Patent (Czechoslovakia)  
94 033

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from the acid potassium terephthalate by disproportionation on boiling with water.

PB-

61-18609



The Use of Solar Energy as the Heat Source for a  
Heat Pump, by G. Patvani, R. Khuntsariya, O.  
Turkestanishvili, 5 pp.

RUSSIAN, per, Kholodil Tekh, No 6, 1959,  
pp 17-19.

LLU Tr Bul  
May 60

Sci - Nuclear Phys

Aug 60

122,570

ction

The Problem of Determination of the Index of Refraction of the Air During Distance Measurement with Electro-Optical and Pulsed-Wave Range Finders, by M. V. Ratynskiy. 9 pp.

RUSSIAN, per. Iz Vysshikh Ucheb Zaved, Geodeziya  
1. Aerofotos'yemka, No 2, 1962, pp 77-92

AGU

Sci

233 f37

Mar 63



The Association Between Germanium and the Petro-  
graphic Components of Fossil Coals, by V. M.  
Ratynsky, L. Ye. Shterenberg, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXDX, No 1,  
1960, pp 180-182.

AGI

Sci

May 61

153,131

Healing of Intestinal Wounds in Acute  
Radiation Sickness, by P. S. Bobrov,  
Ye. M. Datsenko, E. G. Kleyn, Ye. A.  
Ratyshnyy.

RUSSIAN, no per, Voenno Med Zhur, No 4,  
Moscow, Apr 1959, pp 51-53

*Sci - Med*

US JPRS 1736-N

*Pub 59*

*92,158*



Improvement of the Adhesive Quality of Foils  
Made of Polyethylene Glycol Terephthalate,  
by H. Ratz, H. Brachert.  
GERMAN, Patent 1,254,350.  
BTC 69-15457-111

78

H Ratz

Sci-Materials  
Dec 69

398,365

The Chemistry of the Condensed Phosphates and  
Arsenates. II. The Structure of Sodium Tetrameta-  
phosphates and the Properties of the Tetraphosphates,  
by Erich Thilo, Radi Eats, 17 p.

GERMANY, per, Zeitschrift für Anorganische Chemie,  
1949, Vol CCLIX, pp 255-266.

SLA 59-17291

Sci  
Jan 60  
Vol 2, No 8

105,572

On the Structure of Procollagen, Collagen and  
Hyalin Observations on Hyalin Formation in  
Different Organs and in Carcinoma, by M.  
Ratzenhofer, E. Schauenstein, 11 pp.

GERMAN, per, Verh Dtsch Ges Path, 35th Meeting,  
1951, pp 223-244.

NIE 4-57-62

199, 190

Sci - Med

Jun 62

Electron Microscopic Studies of Pathological  
Calcification Foci in Human Tissues, by  
F. Grasenick, A. Propst, M. Ratzenhofer,  
11 pp.

GERMAN, per, Monatschr fuer Chem, Vol LXXXIII,  
No 4, 1952, pp 1062-1068.

NIH

Scientific - Medicine  
CTS 70/Jul 55

25,547

ELECTRON MICROSCOPIC STUDIES OF FIBRILS IN TUBERCULAR NECROSIS, TOGETHER WITH A CONTRIBUTION REGARDING THE EXTRACELLULAR FORMATION OF FIBERS, BY A. PROBST, M. RATZENKEER, 8 PP.

GERMAN, PER, BEIT PATHOL ANAT, VOL CXVIII, NO 2, 1957, PP 228-240.

NIH 8-5-62

SCI - MED

OCT 62

213,716